

November 27, 2013

Mr. Dan Courtemanch, Project Manager
Maine Department of Environmental Protection
Division of Land Resource Regulation
17 State House Station
Augusta, ME 04333-0017

Re: *Independent Peer Review of the Modifications (November 14, 2013) for the Bingham Wind Project*


Dear Dan:

Tech Environmental, Inc. (TE) has completed an independent peer review of the supporting materials for the modification of the Bingham Wind Project application, adding a third possible wind turbine model, the Vestas V112-3.3 MW. In the Stantec package is a letter from Bodwell EnviroAcoustics and Vestas General Specification documents for both the V112-3.0 MW machine reviewed previously and the new alternative Vestas V112-3.3 MW machine.

The Vestas General Specification, Section 12.1.3 reveals that the 3.3-MW turbine will be up to 0.2 dBA louder than the 3.0-MW turbine at mid-load operating levels, but will have the exact same maximum sound power level as the 3.0-MW turbine for hub height wind speeds of 10 m/s and higher. As a result, the noise impact study, which uses the maximum sound power level, produces the same maximum predicted sound pressure levels for both Vestas models, and the highest predicted sound pressure level at a protected location is 39.6 dBA at receptor B2 for both the 3.0-MW and 3.3-MW Vestas turbines, a level 2.4 dBA below the Department's nighttime sound limit of 42 dBA. For the reasons stated above, I conclude that the acoustic documentation submitted with the November 14, 2013 modification to the application is reasonable and technically correct according to standard engineering practices and the Department Regulations on Control of Noise (06-096 CMR 375.10). Please note the recommendations of my June 7, 2013 letter regarding post-construction testing.

Sincerely yours,

TECH ENVIRONMENTAL, INC.



Peter H. Guldberg, INCE, CCM
Managing Principal
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